

## Abstract

- Method of processing MPLS packets in a telecommunication equipment comprising the following steps in the following order :
- 5 incoming direction :
- count received frames and octets,
  - validate packets,
  - determine interface identification,

10 • count received packets and octets,

  - strip external header,
  - lookup for destination of incoming packets,
  - next layer decision and forwarding,
  - TTL management,

15 • if next-hop is not the equipment, PHB determination;

outgoing direction :

    - extract TTL from received outgoing client packets,
    - forward received outgoing client packet as stripped MPLS packet with FEC, PHB, TTL,

20 • generate End\_of\_Stack bit,

    - forward stripped MPLS packet with FEC, PHB, TTL, End\_of\_Stack
    - lookup for destination of outgoing client packets with FEC originated by the equipment,

25 • TTL management

    - create MPLS header,
    - count transmitted packets and octets,
    - forward MPLS packet, PHB, Next Hop.